

CPC

COOPERATIVE PATENT CLASSIFICATION

E06C

LADDERS ([E04F 11/00](#) takes precedence; step-stools [A47C 12/00](#); adaptation of ladders to use on ships B63B, to use on aircraft B64; scaffolding E04G)

E06C 1/00

Ladders in general (mounted on undercarriages or vehicles [E06C 5/00](#); permanently attached to fixed structures [E06C 9/00](#))

E06C 1/005

. { Ladders in use as furniture or ladders in relation to furniture, e.g. in cupboards (step-stools, chairs or benches requiring conversion between the step and seat functions [A47C 12/02](#)) }

E06C 1/02

. with rigid longitudinal member or members

E06C 1/04

.. Ladders for resting against objects, e.g. walls poles, trees (supports for ladder heads [E06C 7/48](#))

E06C 1/06

... in one piece

E06C 1/08

... multi-part { ([E06C 1/32](#) takes precedence) }

E06C 1/10

.... Sections fitted end to end

E06C 1/12

.... extensible, e.g. telescopic

E06C 1/125

..... { with tubular longitudinal members nested within each other }

E06C 1/14

.. Ladders capable of standing by themselves

E06C 1/16

... with {hinged} struts which rest on the ground (with struts rigid with the ladder [E06C 1/24](#); having platforms [E06C 1/39](#))

E06C 1/18

.... with supporting struts formed as ladders { ([E06C 1/32](#) takes precedence) }

E06C 1/20

.... with supporting struts formed as poles { (stabilising struts [E06C 7/423](#)) }

E06C 1/22

..... with extensible, e.g. telescopic, ladder parts or struts

E06C 1/24

... {Non-hinged} free-standing ladders

E06C 1/26

.... in one piece

E06C 1/28

.... multi-part (with movable supporting struts formed as ladders [E06C 1/18](#))

E06C 1/30

..... extensible, e.g. telescopic

E06C 1/32

.. Ladders with a strut which is formed as a ladder and can be secured in line with the ladder

E06C 1/34

.. Ladders attached to structures, such as windows, cornices, poles, or the like { ([E06C 9/12](#) takes precedence); ladders permanently fastened to buildings [E06C 9/00](#), {e.g. climbing irons [E06C 9/04](#)} }

E06C 1/345

... { specially adapted to be installed parallel to the roof surface }

E06C 1/36

... Ladders suspendable by hooks or the like { (ladderhooks [E06C 7/505](#)) }

E06C 1/38

.. Special constructions of ladders, e.g. ladders with more or less than two longitudinal members, ladders with movable rungs or other treads, longitudinally-foldable ladders

E06C 1/381

... {Ladders with rungs or treads attached only to one rigid longitudinal member}

E06C 1/382

... { Tripod ladders }

E06C 1/383

... Foldable ladders in which the longitudinal members are brought together on

- E06C 5/40 . . Devices for canting ladders laterally
- E06C 5/42 . . Devices for altering inclination; Latching devices therefor {Balancing arrangements}
- E06C 5/44 . . Other accessories on ladders, e.g. acoustical signalling devices, dismantlable switchboards

- E06C 7/00** **Component parts, supporting parts, or accessories**

- E06C 7/003 . {Indicating devices, e.g. user warnings or inclinators }
- E06C 7/006 . {Devices for preventing access}

- E06C 7/02 . Extending means (for ladders mounted on undercarriages or vehicles [E06C 5/00](#))
- E06C 7/04 . . Hand-operated extending means carried by the ladder

- E06C 7/06 . Securing devices or hooks for parts of extensible ladders

- E06C 7/08 . Special construction of longitudinal members, or rungs or other treads
- E06C 7/081 . . { Rungs or other treads comprising anti-slip features}
- E06C 7/082 . . { Connections between rungs or treads and longitudinal members}
- E06C 7/083 . . . { Bracket type connection}
- E06C 7/084 . . . { Rungs comprising projecting tabs or flanges}
- E06C 7/085 . . . { achieved by deforming the rung or the stile; [E06C 7/084](#) takes precedence}
- E06C 7/086 . . . { with a connecting piece inserted in a hollow rung; [E06C 7/088](#) takes precedence}
- E06C 7/087 . . . { with a connecting piece installed around the rung}
- E06C 7/088 . . . { with tie rods parallel to the rungs}

- E06C 7/10 . Reinforcements for ladders

- E06C 7/12 . Lifts or other hoisting devices on ladders

- E06C 7/14 . Holders for pails or other equipment on or for ladders
- E06C 7/143 . . { specially adapted to be inserted into the end of a hollow rung}
- E06C 7/146 . . { made from wire; [E06C 7/143](#) takes precedence}

- E06C 7/16 . Platforms on, or for use on, ladders, e.g. liftable or lowerable platforms (aspects relating to the lifting [B66F](#))
- E06C 7/165 . . { specially adapted to be fixed to only one rung}

- E06C 7/18 . Devices for preventing persons from falling (life-saving belts [A62B 1/16](#)){Safety devices for window-cleaners [A47L 3/00](#)}
- E06C 7/181 . . {Additional gripping devices, e.g. handrails}
- E06C 7/182 . . . {situated at the top of the ladder}
- E06C 7/183 . . . {situated along the ladder}
- E06C 7/185 . . {Devices providing a back support to a person on the ladder, e.g. cages}
- E06C 7/186 . . {Rail or rope for guiding a safety attachment, e.g. a fall arrest system}
- E06C 7/187 . . . {Guiding rail}

- E06C 7/188 .. {Accessories for temporary stabilising a ladder, e.g. temporary attaching devices (ladder feet or struts [E06C 7/42](#), ladder heads [E06C 7/48](#))}

- E06C 7/42 . Ladder feet; Supports therefor (for scaffold elements [E04G 5/02](#))
- E06C 7/423 .. {Ladder stabilising struts}
- E06C 7/426 .. {Height adjustable supports for receiving both ladder feet}
- E06C 7/44 .. Means for mounting ladders on uneven ground
- E06C 7/46 .. Non-skid equipment

- E06C 7/48 . Ladder heads; Supports for heads of ladders for resting against objects {ladders attachable to structures such as poles [E06C 1/34](#)}
- E06C 7/482 .. { Supports specially adapted for resting the ladder against or in a corner}
- E06C 7/484 .. { Supports specially adapted for use with a wall opening, e.g. windows}
- E06C 7/486 .. { Supports specially adapted to support a ladder on a gutter}
- E06C 7/488 .. { Supports specially adapted to attach a ladder to a ridge of a roof}

- E06C 7/50 . Joints or other connecting parts
- E06C 7/505 .. { Anchors being adapted to fix a ladder to a vertical structure, e.g. ladder hooks}

- E06C 9/00** **Ladders characterised by being permanently attached to fixed structures, e.g. fire escapes** (movable stairways [E04F 11/04](#); {means for facilitating access to swimming pools [E04H 4/144](#)})

- E06C 9/02 . rigidly mounted
- E06C 9/04 .. in the form of climbing irons or the like {(built-in climbing irons for poles [A63B 27/00](#); built-in climbing devices as construction element [E04F 11/00](#))}

- E06C 9/06 . movably mounted
- E06C 9/08 .. with rigid longitudinal members
- E06C 9/085 ... {ladders unfolded in the direction of the longitudinal members}
- E06C 9/10 ... forming part of a building, such as a balcony grid, window grid, or other window part {with non-rigid longitudinal members [E06C 9/14](#)}
- E06C 9/12 ... laterally displaceable
- E06C 9/14 .. with non-rigid longitudinal members, e.g. rope or chain ladders, ladders of the lazy-tongs type